

Appendix B

System Check Plots

System Performance Check-D5GHz-5750MHz-Body

SystemPerformanceCheck-D5GHz_5750MHz-Bdoy

Communication System: UID 0, CW (0); Frequency: 5750 MHz

Medium parameters used: $f = 5750$ MHz; $\sigma = 6.002$ S/m; $\epsilon_r = 47.109$; $\rho = 1000$ kg/m³

Phantom section: Flat Section

DASY Configuration:

- Probe: EX3DV4 - SN7383; ConvF(4.33, 4.33, 4.33); Calibrated: 2016/12/27;
- Sensor-Surface: 1.4mm (Mechanical Surface Detection), $z = 1.0, 25.0$
- Electronics: DAE3 Sn427; Calibrated: 2016/12/9
- Phantom: SAM v5.0; Type: QD000P40CD; Serial: TP:1805
- DASY52 52.10.0(1442); SEMCAD X 14.6.10(7413)

System Performance Check with D5GHzV2 Dipole (graded grid)/d=10mm, Pin=100mW, f=5600 MHz/Area Scan (11x11x1):

Measurement grid: dx=10mm, dy=10mm

Maximum value of SAR (measured) = 16.6 W/kg

System Performance Check with D5GHzV2 Dipole (graded grid)/d=10mm, Pin=100mW, f=5600 MHz/Zoom Scan (4x4x1.4mm, graded), dist=1.4mm (8x8x7)/Cube 0: Measurement grid: dx=4mm, dy=4mm, dz=1.4mm

Reference Value = 61.58 V/m; Power Drift = -0.06 dB

Peak SAR (extrapolated) = 28.2 W/kg

SAR(1 g) = 6.94 W/kg; SAR(10 g) = 1.98 W/kg

Maximum value of SAR (measured) = 16.2 W/kg

